

Mayflower High School

DESCRIPTION OF THE COURSE

The new specification OCR GCSE Computer Science (9-1) is a single GCSE award and is examined in 3 components.

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|-------------|---|-----------|
| Component 1 | Computer systems (written examination) 50% | 1.5 hours |
| Component 2 | Computational thinking, systems and programming (written examination) 50% | 1.5 hours |

Examination Board: OCR

Specification: J276

CONTENT OF THE COURSE

Component 1 - Computer Systems: Systems Architecture

- Memory
- Storage
- Wired and Wireless Networks
- Network topologies, protocols and layers
- Network Security
- System software
- Moral, Social, Legal, Cultural and Environmental concerns

Component 2 - Computational thinking, Systems and Programming

- Translators and facilities of languages
- Algorithms
- High and Low level programming
- Computational logic
- Data representation

Compulsory Practical: An extended programming project covering:

- Programming techniques
- Design
- Development
- Effectiveness and efficiency
- Technical understanding
- Testing, evaluation and conclusions

You cannot choose to study both Computer Science and Cambridge National in ICT

GRADING

GCSE Computer Science will be graded using the 9-1 scale.

CONTACT

Mr T Fox, Head of Computer Science